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SEARCH REQUEST FORM

Scientific and Technical Information Center

(13)

Requester's Full Name: Pinchus Laufer Examiner #: 73139 Date: 10/02/02
 Art Unit: 2100 Phone Number 308-4160 Serial Number: 10/020515
 Mail Box Location: _____ Results Format Preferred (circle): PAPER DISK E-MAIL

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 Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

Litigation
 5,999,977

STAFF USE ONLY

Searcher: Shirelle Green

Searcher Phone #: 306-4767

Searcher Location: 4B40

Date Searcher Picked Up: 10/2/02

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Sequence (#) _____

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Dialog 25.34

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Green, Shirelle

From: Laufer, Pinchus
Sent: Wednesday, October 02, 2002 11:47 AM
To: Green, Shirelle
Subject: litigation search

Please generate a search for:

(1) 10/020,515 which is a Reissue of 5,999,977 Inventor: Guy Riddle [OG date 9/24/02]

Pinchus
Pinchus M. Laufer, Ph.D.
Special Programs Examiner, Technology Center 2100
Computer Security, Architecture, & Software
US Patent and Trademark Office
(703) 306-4160
plaufer@uspto.gov

1 of 1 DOCUMENT

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5999977

December 7, 1999

System for terminating multicast channel and data broadcast
when at least two second endpoints do not transmit positive
acknowledgment message to first endpoint

INVENTOR: Riddle, Guy G., Los Gatos, CA

APPL-NO: 08987332 ()

FILED-DATE: December 9, 1997

GRANTED-DATE: December 7, 1999

LEGAL-REP: Blakely, Sokoloff, Taylor & Zafman

REL-DATA: Addition of Ser. No. 5854898, December 29, 1998; Addition of Ser. No.
468715, June 5, 1995; Addition of Ser. No. 396198, February 24, 1995

US-MAIN-CL: 709#227

US-ADDL-CL: 709#204, 709#228, 709#231, 709#237

SEARCH-FLD: 395#20057 , 395#20034 , 395#20058 , 395#20061 , 395#20067 , 709#227 ,
709#204 , 709#231 , 709#237 , 709#228 , 399#202

IPC-MAIN-CL: G 06F015#16

PRIM-EXMR: Lee, Thomas C.

ASST-EXMR: Park, Ilwoo

ENGLISH-ABST:

A method and apparatus for optimizing transmission of data to a plurality of second endpoints in a system wherein a first endpoint is providing data to the plurality of second endpoints each connected by a point-to-point communication channels. This may be useful in teleconferencing applications with a plurality of participants (endpoints) or broadcast server applications. The first endpoint activates a multicast communication channel having a first multicast address and commences broadcast of the data over the multicast communication channel. The first endpoint transmits a request message to each of the plurality of second endpoints in order to query each of the second endpoints whether they can receive transmissions broadcast to the first multicast address. Certain of the plurality of second endpoints transmit an acknowledgment message if they can receive transmissions broadcast to the first multicast address, and the first endpoint receives the acknowledgment message. Then, for each acknowledgment message received from certain of the plurality of second endpoints, the first endpoint deactivates the point-to-point communication channel and the certain of the plurality of second endpoints.

LEXIS-NEXIS
Library: PATENT
File: ALL

No Documents Found

No documents were found for your search (5999977 or 5,999,977). Please edit your search and try again. You may want to try one or more of the following:

- Check for spelling errors.
- Remove some search terms.
- Use more common search terms.
- If applicable, look for all dates.

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Library: PATENT
File: JNLS

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LEXIS-NEXIS
Library: PATENT
File: CASES

fam us5999977/pn

1 Patent Groups
** SS 1: Results 2

Search statement 2

?famstate nonstop

1/2 INPADOC - (C) INPADOC

PN - US 5854898 A 19981229 [US5854898]
TI - SYSTEM FOR AUTOMATICALLY ADDING ADDITIONAL DATA STREAM TO EXISTING
MEDIA CONNECTION BETWEEN TWO END POINTS UPON EXCHANGE OF NOTIFYING AND
CONFIRMATION MESSAGES THEREBETWEEN
IN - RIDDLE GUY G [US]
PA - APPLE COMPUTER [US]
AP - US 396198/95-A 19950224 [1995US-0396198]
PR - US 396198/95-A 19950224 [1995US-0396198]
IC - G06F-015/16

1/1 LEGALI - (C) LEGSTAT

PN - US 5854898 [US5854898]
AP - US 396198/95 19950224 [1995US-0396198]
DT - US-P
ACTE- 19950224 US/AE-A
APPLICATION DATA (PATENT)
{US 396198/95 19950224 [1995US-0396198]}
- 19981229 US/A
PATENT
UP - 1999-03

2/2 INPADOC - (C) INPADOC

PN - US 5999977 A 19991207 [US5999977]
TI - SYSTEM FOR TERMINATING MULTICAST CHANNEL AND DATA BROADCAST WHEN AT
LEAST TWO SECOND ENDPOINTS DO NOT TRANSMIT POSITIVE ACKNOWLEDGMENT
MESSAGE TO FIRST ENDPOINT
IN - RIDDLE GUY G [US]
✓PA - APPLE COMPUTER [US]
AP - US 987332/97-A 19971209 [1997US-0987332]
PR - US 987332/97-A 19971209 [1997US-0987332]
- US 468715/95-B1 19950605 [1995US-0468715]
- US 396198/95-A1 19950224 [1995US-0396198]
IC - G06F-015/16

1/1 LEGALI - (C) LEGSTAT

PN - US 5999977 [US5999977]
AP - US 987332/97 19971209 [1997US-0987332]
DT - US-P
ACTE- 19971209 US/AE-A
APPLICATION DATA (PATENT)
{US 987332/97 19971209 [1997US-0987332]}
- 19991207 US/A
PATENT
- 20020924 US/RF
REISSUE APPLICATION FILED
20021218
UP - 2002-39

us5999977/pn

** SS 1: Results 1

Search statement 2

?prt full nonstop legalall

1/1 PLUSPAT - (C) QUESTEL-ORBIT
PN - US5999977 A 19991207 [US5999977]
TI - (A) System for terminating multicast channel and data broadcast when
at least two second endpoints do not transmit positive acknowledgment
message to first endpoint
PA - (A) APPLE COMPUTER (US)
IN - (A) RIDDLE GUY G (US)
AP - US98733297 19971209 [1997US-0987332]
PR - US98733297 19971209 [1997US-0987332]
- US46871595 19950605 [1995US-0468715]
- US39619895 19950224 [1995US-0396198]
IC - (A) G06F-015/16
EC - H04L-012/18D
- H04M-003/56M
- H04N-007/15
- H04N-007/24C8
ICO - T04L-012/18R
PCL - ORIGINAL (O) : 709227000; CROSS-REFERENCE (X) : 709204000 709228000
709231000 709237000
DT - Basic
CT - US4507781; US4756019; US4760572; US4893326; US5077732; US5099510;
US5101451; US5136581; US5157662; US5195086; US5200951; US5241625;
US5276679; US5291492; US5297143; US5309433; US5311585; US5315586;
US5323445; US5341374; US5355371; US5371534; US5373549; US5374952;
US5375068; US5392344; US5422883; US5422942; US5440624; US5442749;
US5453780; US5455826; US5459725; US5473679; US5475746; US5483587;
US5483588; US5491798; US5509010; US5511168; US5541927; US5557724;
US5572582; CA2080530; EP0279232
- PCT International Search Report (PCT/US96/02459) mailed Aug. 7, 1996.

Mon-Song Chen, et al., "Designing a Distributed Collaborative Environment," Communication for Global Users, including a Communications Theory Mini Conference, Orlando, Dec. 6-9, 1992, Institute of Electrical and Electronics Engineers, pp. 219-219.

W.H. Leung, et al., "Multimedia Conferencing Capabilities in an Experimental Fast Packet Network," Proceedings of the International Switching Symposium, Yokohama, Oct. 25, 1992, Institute of Electronics, Information and Communication Engineers, pp. 258-262.

C. Kim et al., "Performance of Call Splitting Algorithms for Multicast Traffic," INFOCOM '90, pp. 348-356 (1990).

J. Ott et al., "Multicasting the ITU MCS: Integrating Point-to-Point and Multicast Transport" Singapore ICCS, pp. 1013-1017 (1994).

R. bubenik et al., "Multipoint Connection Management in High Speed Networks," INFOCOM '91, pp. 59-67 (1991).

"Dynamic Conference Call Participation" IBM Technical Disclosure Bulletin, V. 28, Aug. 1995, pp. 1135-1138.

"Control of Video Telephony from a Data Conferencing System", IBM Technical Disclosure Bulletin, v. 37, Oct. 1994, pp. 327-332.

"Intelligent Packet Relay in Distributed Multimedia Systems", IBM Technical Disclosure Bulletin, v. 37, Jul. 1994, pp. 211-214.

STG - (A) United States patent

AB - A method and apparatus for optimizing transmission of data to a plurality of second endpoints in a system wherein a first endpoint is providing data to the plurality of second endpoints each connected by a point-to-point communication channels. This may be useful in teleconferencing applications with a plurality of participants (endpoints) or broadcast server applications. The first endpoint activates a multicast communication channel having a first multicast address and commences broadcast of the data over the multicast communication channel. The first endpoint transmits a request message to each of the plurality of second endpoints in order to query each of the second endpoints whether they can receive transmissions broadcast to the first multicast address. Certain of the plurality of second endpoints transmit an acknowledgment message if they can receive transmissions broadcast to the first multicast address, and the first endpoint receives the acknowledgment message. Then, for each acknowledgment message received from certain of the plurality of second endpoints, the first endpoint deactivates the point-to-point communication channel and the certain of the plurality of second endpoints.

1/1 LGST - (C) LEGSTAT

PN - US 5999977 [US5999977]

AP - US 987332/97 19971209 [1997US-0987332]

DT - US-P

ACT - 19971209 US/AE-A

APPLICATION DATA (PATENT)

{US 987332/97 19971209 [1997US-0987332]}

- 19991207 US/A

PATENT

- 20020924 US/RF

REISSUE APPLICATION FILED

20021218

UP - 2002-39

1/1 CRXX - (C) CLAIMS/RRX

PN - 5,999,977 A 19991207 [US5999977]

PA - Apple Computer Inc

ACT - 20021218 REISSUE REQUESTED

ISSUE DATE OF O.G.: 20020924

REISSUE REQUEST NUMBER: 10/020515

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2782

Reissue Patent Number:

1/1 PAST - (C) Thomson Derwent

AN - 200239-001584

PN - 5999977 A [US5999977]

OG - 2002-09-24

ACT - REISSUE APPLICATION FILED